Quiz 2, Calculus 2

Name: _____

Evaluate the integrals. Make sure to use appropriate notation and show your work. No calculators allowed!

1. (4 points) $\displaystyle\int_1^e \frac{\ln x}{x^2}\, dx$

2. (3 points) $\displaystyle\int_1^\infty \frac{1}{(2x+1)^3}\,dx$

3. (3 points) $\displaystyle\int \frac{12}{x^2+4x-5}\,dx$